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August 18, 2003

**ATTORNEY DOCKET NO.: AURO1140-2**

Parent Application No.: 09/118,728

Parent Filing Date: July 17, 1998

Parent Inventors: Roger Y. Tsien, Peter J. Coassin, Andrew A. Pham, Alec Tate Harootunian and Minh Vuong

**Mail Stop PATENT APPLICATION**

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Presented for filing is a new **Divisional** patent application of:

**APPLICANTS : Roger Y. Tsien, Peter J. Coassin, Andrew A. Pham, Alec Tate Harootunian and Minh Vuong**

**TITLE : DETECTOR AND SCREENING DEVICE FOR ION CHANNELS**

Enclosed are the following papers, including all those required for a filing date under 37 C.F.R. § 1.53(b):

Pages of Specification	32
Pages of Claims	10
Pages of Abstract	1
Pages of Declaration (from Parent)	3
Sheets of Drawing	9

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Date of Deposit: August 18, 2003

I hereby certify under 37 CFR. § 1.10 that this correspondence is being deposited with the United States Postal Service as "Express Mail Post Office to Addressee" with sufficient postage on the date indicated above and is addressed to the Mail Stop PATENT APPLICATION, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

JASON BERRY  
(TYPED OR PRINTED NAME OF PERSON MAILING PAPER)

Jason Berry  
(SIGNATURE OF PERSON MAILING PAPER OR FEE)

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**GRAY CARY WARE & FREIDENRICH LLP**

Docket No.: AURO1140-2  
Mail Stop PATENT APPLICATION  
August 18, 2003  
Page Two

Under 35 USC § 121, this application is a **divisional** application of U.S. Application Serial No. 09/118,728 filed July 17, 1998, now issued as U.S. patent 6,608,671. The disclosure of the prior application is considered part of and is incorporated by reference in the disclosure of this application.

This request includes Three (3) sheets, and the following:

- Preliminary Amendment (7 pages);
- Information Disclosure Statement (2 pages);  
    Forms PTO-1449 (filed in parent application) (5 pages);  
    Forms PTO-892 (filed in parent application) (4 pages);
- Check No. 542337 in the amount of \$750.00; and
- Return Receipt Postcard.

The filing fee is calculated as follows:

Applicants claim **LARGE ENTITY** status in the above-identified application.

	Number Filed		Number Extra		Rate			Fee	
					Small Entity	Large Entity		Small Entity	Large Entity
Total Claims	18-20	=	0	X	\$09	\$18	=	\$ .00	\$ .00--
Independent Claims	3-3	=	0	X	\$42	\$84	=	\$ .00	\$ .00
Multiple Dependent Claims Presented:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				\$140	\$280		\$ ---	\$ ---
	BASIC FEE							\$ 375.00	\$ 750.00
	TOTAL FEE							\$ .00	\$ 750.00

Enclosed is Check No. 542337 in the total amount of \$750.00; which consists of \$750.00 for the filing fee. Please charge any additional required fees or credit any overpayments, to Deposit Account 50-1355, referencing the Attorney Docket number shown above. A copy of this transmittal letter is attached.

If this application is found to be INCOMPLETE, or if it appears that a telephone conference would helpfully advance prosecution, please telephone the undersigned at (858) 677-1456.

**GRAY CARY WARE & FREIDENRICH LLP**

Docket No.: AURO1140-2  
Mail Stop PATENT APPLICATION  
August 18, 2003  
Page Three

Kindly acknowledge receipt of this application by returning the enclosed postcard.

Please send all correspondence to:

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Respectfully submitted,

**GRAY CARY WARE & FREIDENRICH LLP**

August 18, 2003  
Date



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**USPTO CUSTOMER NUMBER 28213**

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Enclosures